10/532312 Manufacturing Duct" CT/PTO 22 APR 2005 INVENTOR(s): Toshio Yamamoto, et al.; TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparatu TTY. DOCKET NO. 19036/40258/US; Page 1 (4.59) I, Gerstein & Borun 312-474-6300 - Richard H. Ander

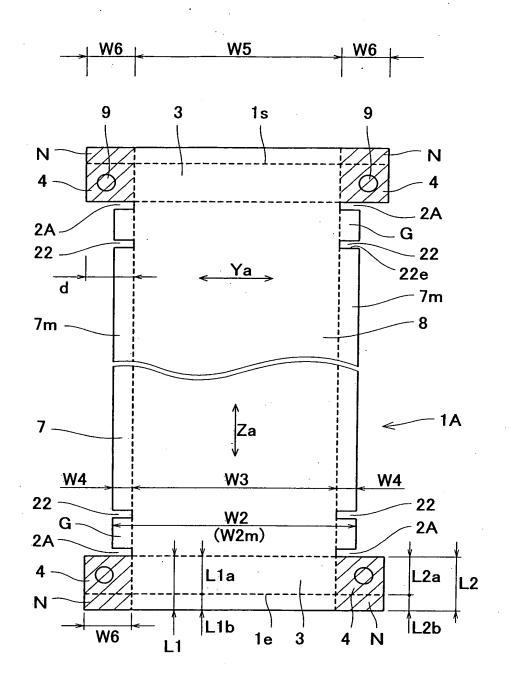


Fig. 1

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 2 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

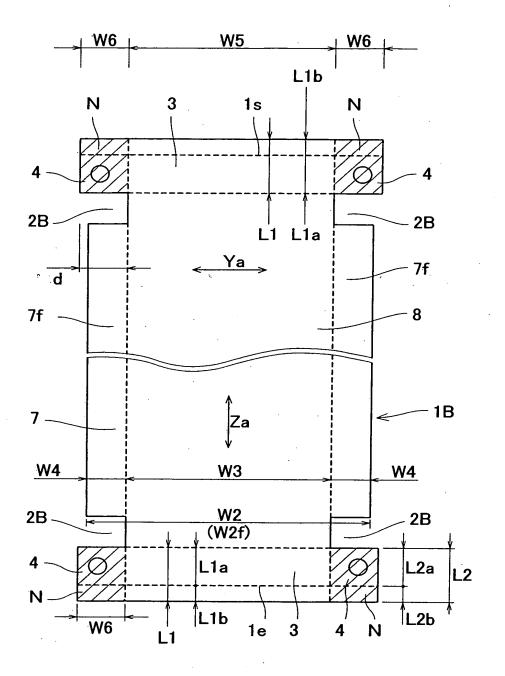


Fig. 2

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INVENTOR(s): Toshio Yamamoto, et al.;

"Cornerplate-less Duct, Method of Manufacturing Duct, and Apparatus for Manufacturing D ATTY. DOCKET NO. 19036 (W.S.); Page 3 of 59

Marshall, Gerstein & Borun 312-474-0300 - Richard H. Anderson

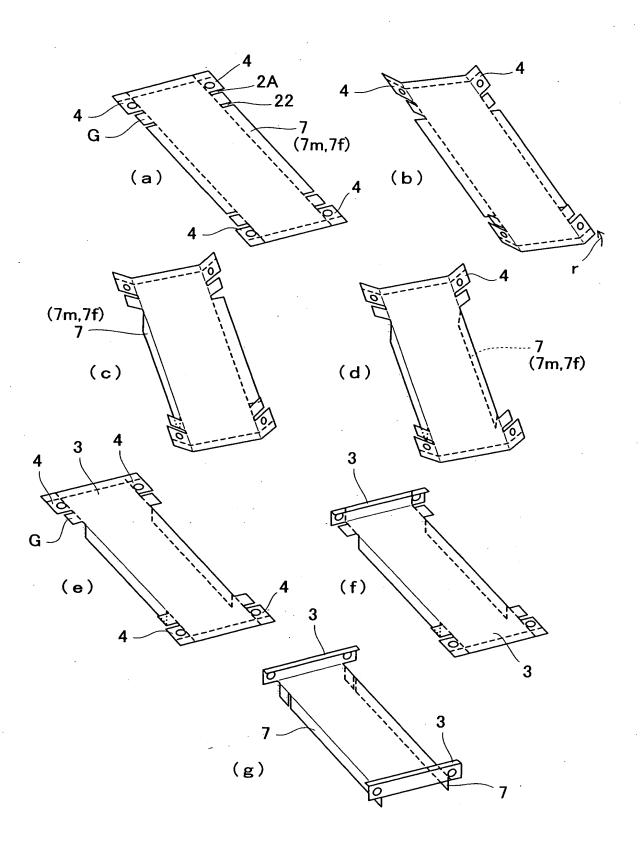
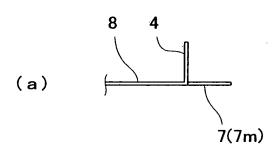
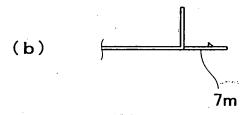
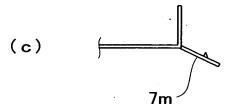
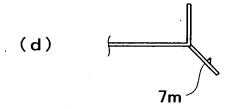


Fig. 3









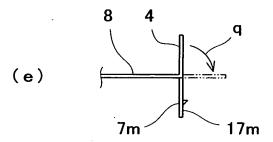
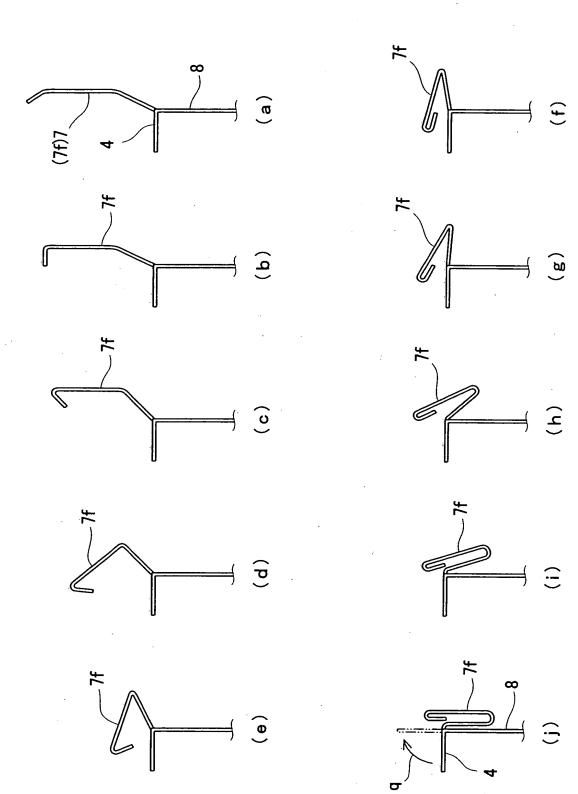


Fig. 4

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of TTY. DOCKET NO. 19036/40258/US; Page 5 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson ar Manufacturing Duct"



INVENTOR(s): Toshio Yamamoto, et al.; TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 6 of 59

l, Gerstein & Borun 312-474-6300 - Richard H. Anderson

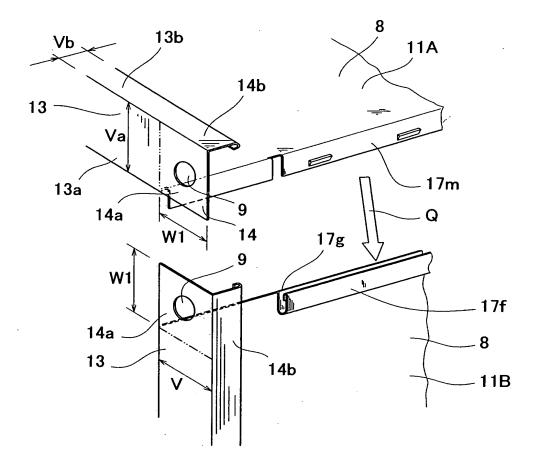


Fig. 6

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 7 of 59
Mix. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

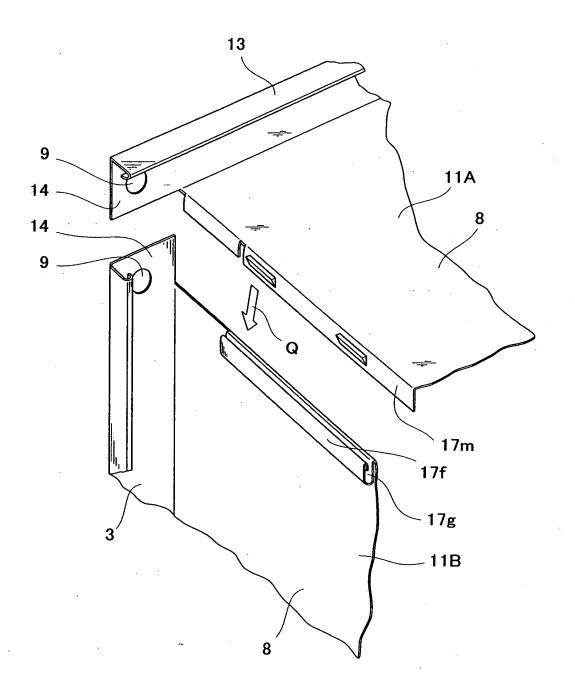


Fig. 7

10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing the Duct, and Apparat

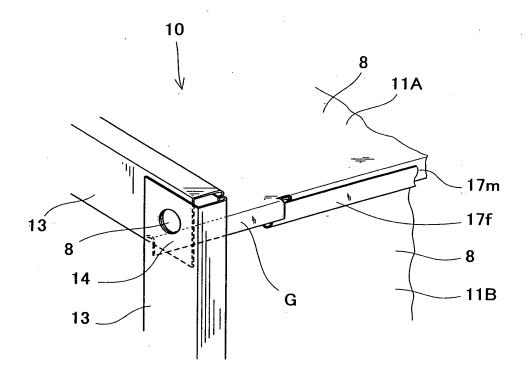


Fig. 8

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 9 of 59 Manufacturing Duct" ll, Gerstein & Borun 312-474-6300 - Richard H. Anderson

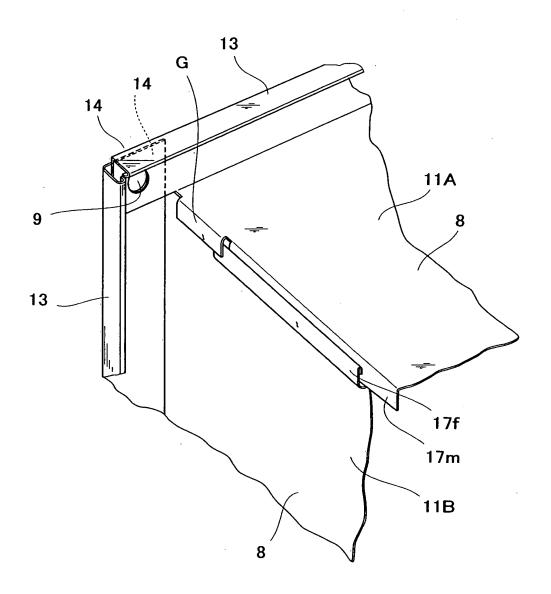


Fig. 9

90/532312 Y Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of TTY. DOCKET NO. 19036/40258/US; Page 10 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

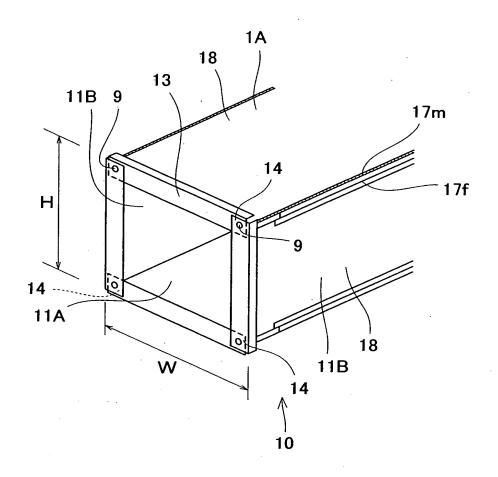


Fig. 10

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less-Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 11 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson r Manufacturing Duct"

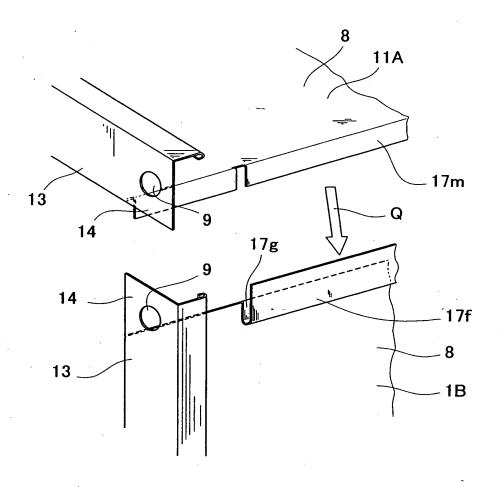


Fig. 11

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature or Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 12 of 59

Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

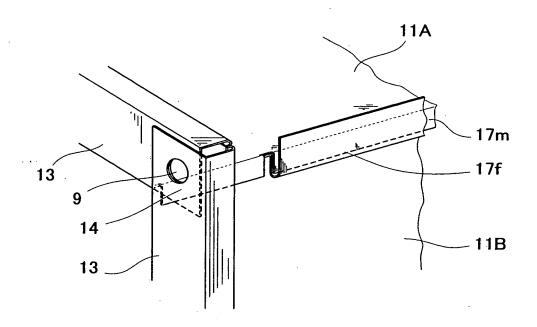
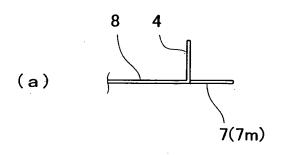
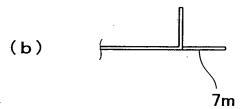
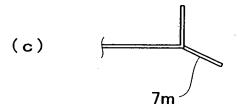
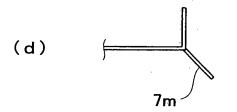


Fig. 12









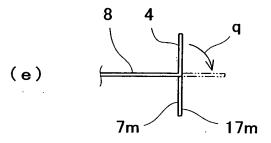
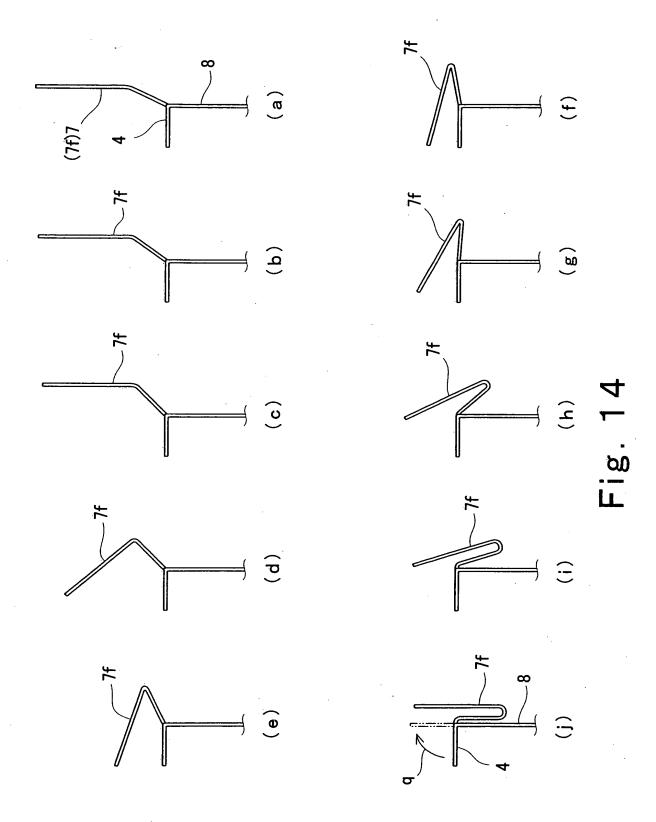


Fig. 13

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of TTY. DOCKET NO. 19036/40258/US; Page 14 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"



TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature or Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 15 of 59

Max. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

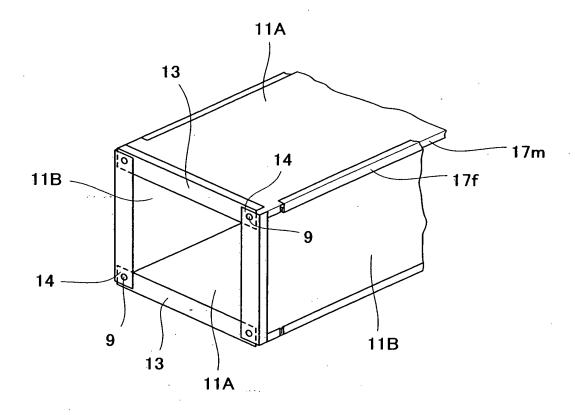


Fig. 15

10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 16 of 59 il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

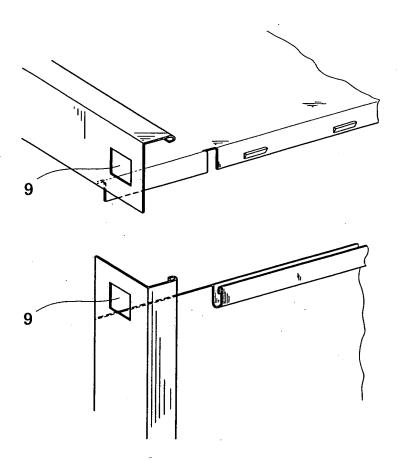


Fig. 16

10/532312 Tr Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 17 of 59

ll, Gerstein & Borun 312-474-6300 - Richard H. Anderson

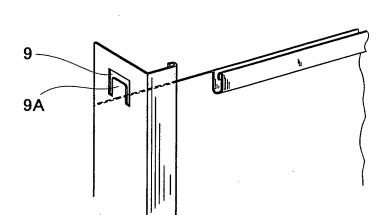
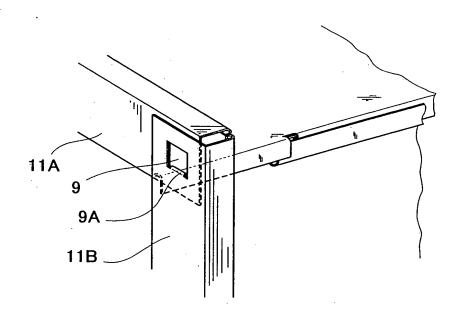


Fig. 17

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less-Duct, Method of Manufacturing the Duct, and Apparaturity."
TTY. DOCKET NO. 19036/40258/US; Page 18 of 59 Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson



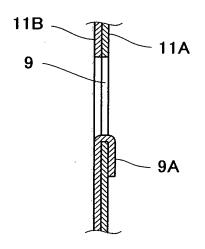


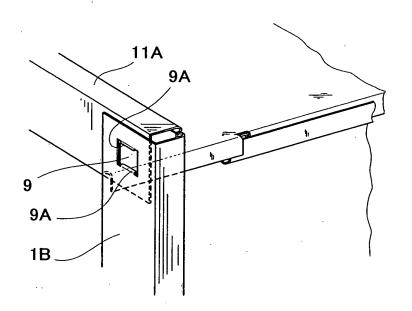
Fig. 18

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 19 of 59

Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson



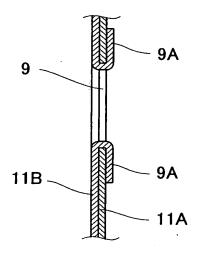


Fig. 19

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 20 of 59 ll, Gerstein & Borun 312-474-6300 - Richard H. Anderson

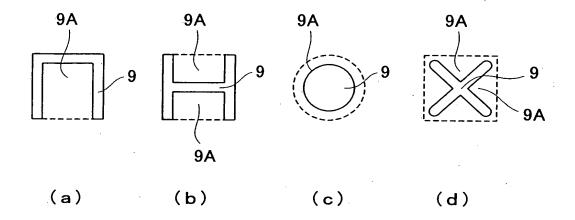


Fig. 20

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 21 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

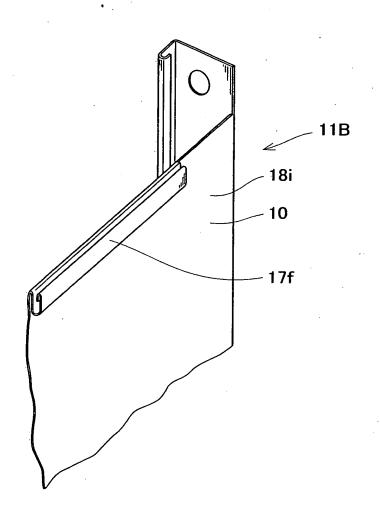


Fig. 21

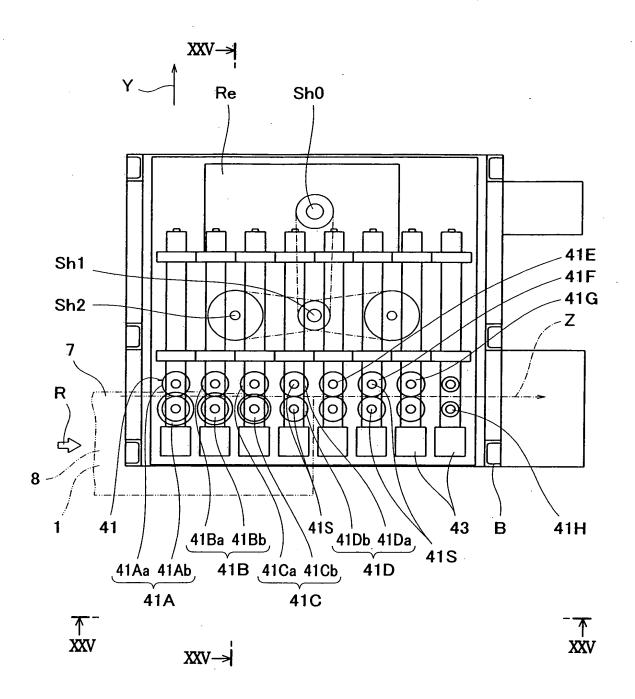


Fig. 22

107532312 Manufacturing Duct"

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature (TTY. DOCKET NO. 19036/40258/US; Page 23 of 59 May 11, Gerstein & Borun 312-474-6300 - Richard H. Anderson

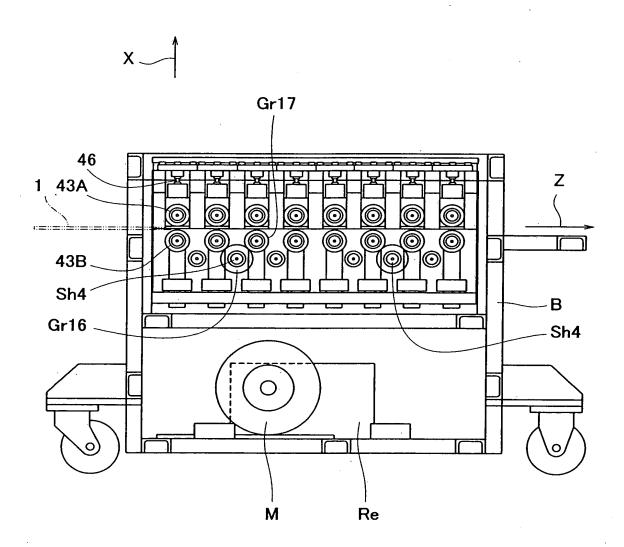


Fig. 23

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparatu l, Gerstein & Borun 312-474-6300 - Richard H. Anderson

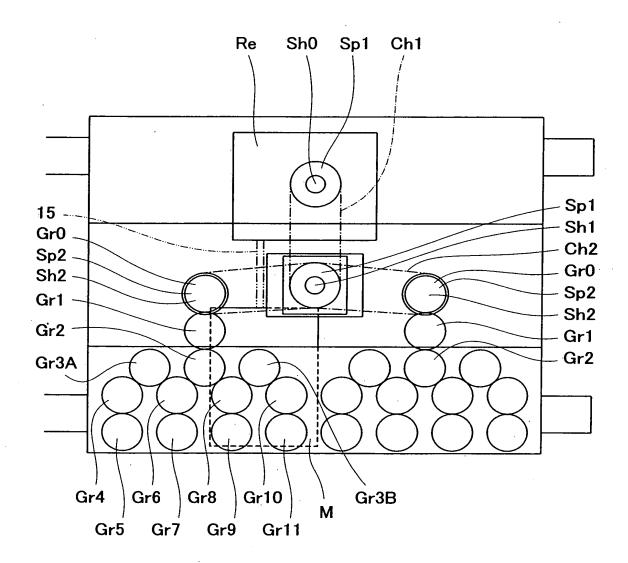


Fig. 24

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct" TTY. DOCKET NO. 19036/40258/US; Page 25 of 59

Ma. All, Gerstein & Borun 312-474-6300 - Richard H. Anderson

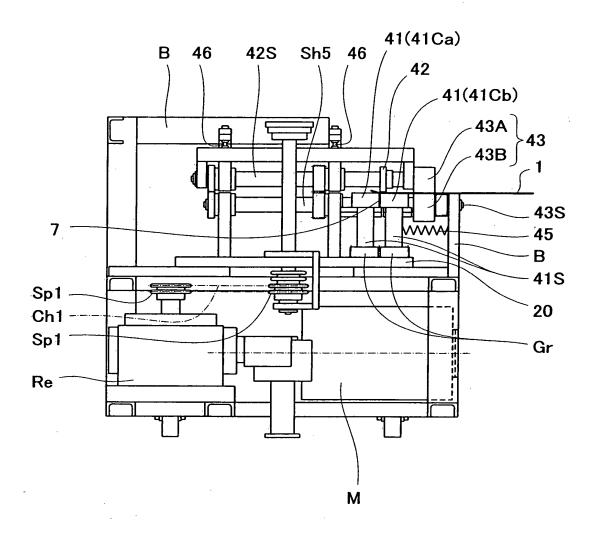
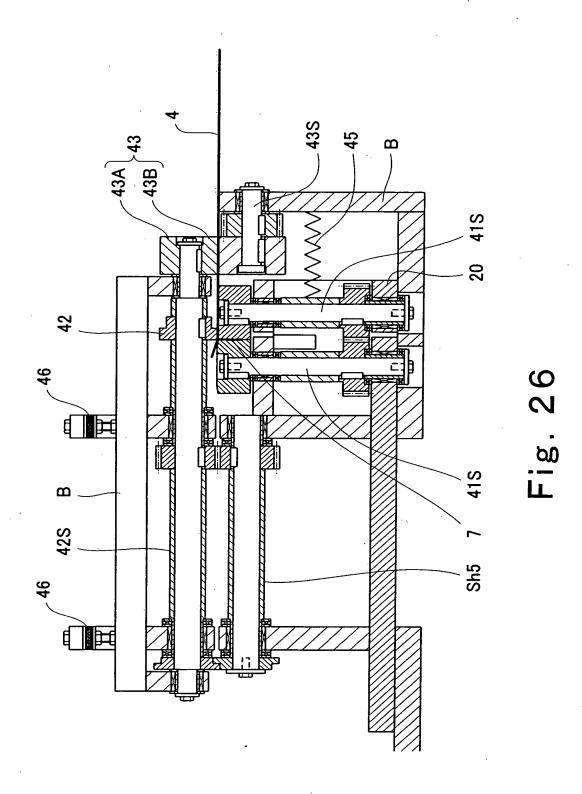
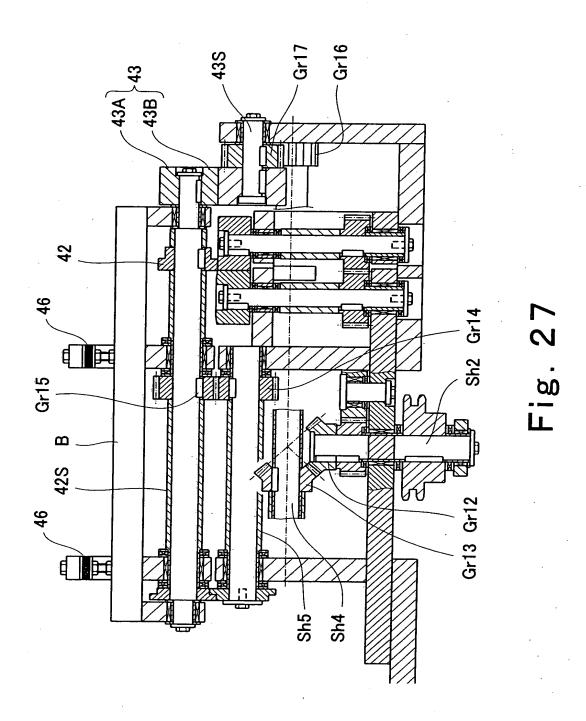


Fig. 25



INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 27 of 59
Manuall, Gerstein & Borun 312-474-6300 - Richard H. Anderson



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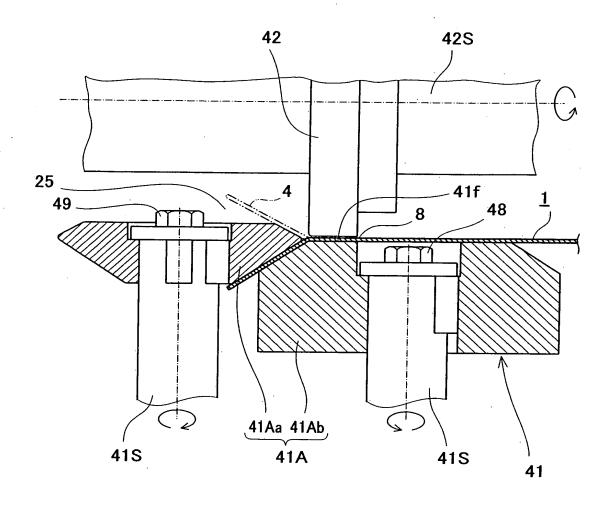


Fig. 28

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 29 of 59 al, Gerstein & Borun 312-474-6300 - Richard H. Anderson

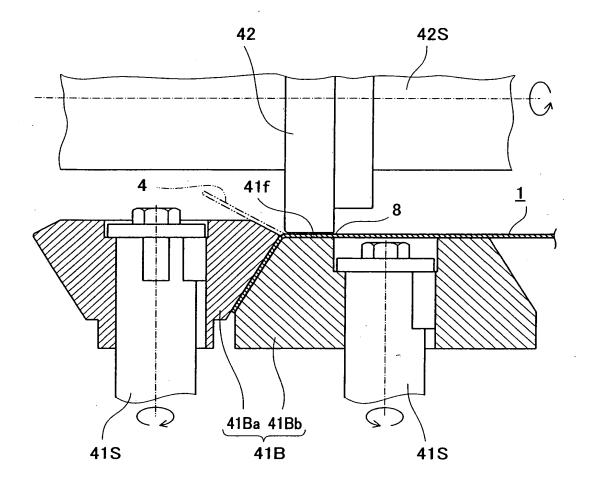


Fig. 29

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 30 of 59 Max. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

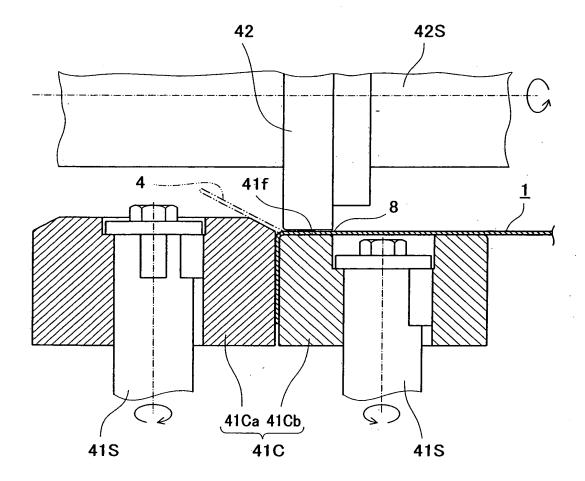


Fig. 30

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature or Manufacturing Duct TTY. DOCKET NO. 19036/40258/US; Page 31 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

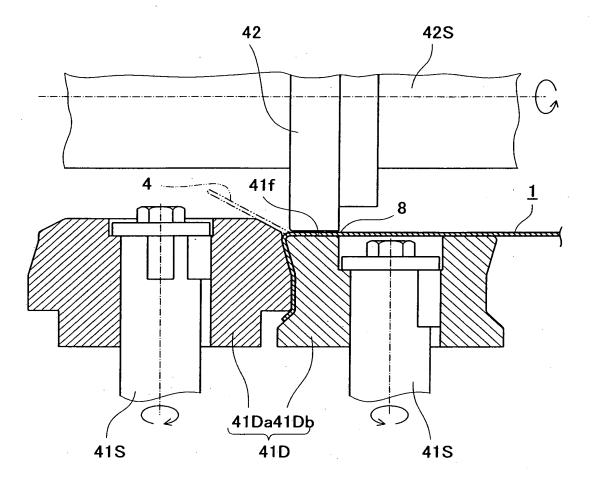


Fig. 31

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 32 of 59 Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

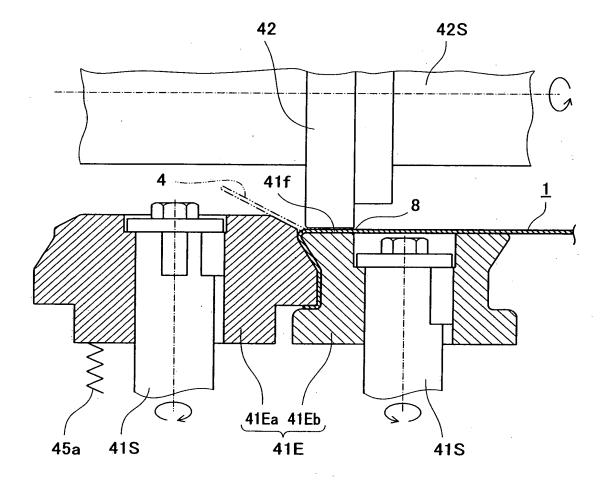


Fig. 32

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature or Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 33 of 59

Mat. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

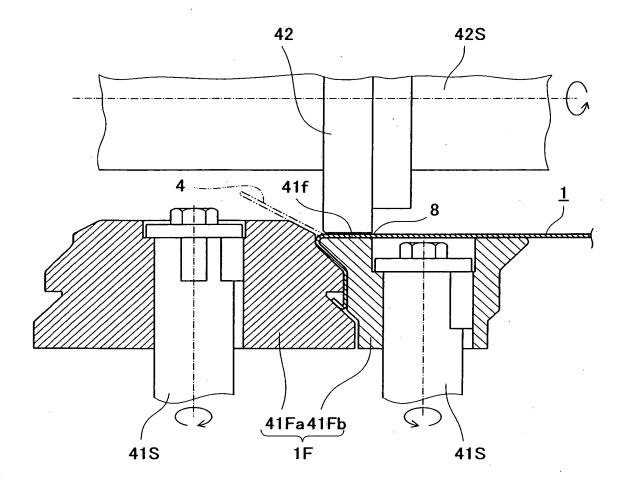


Fig. 33

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 34 of 59
Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

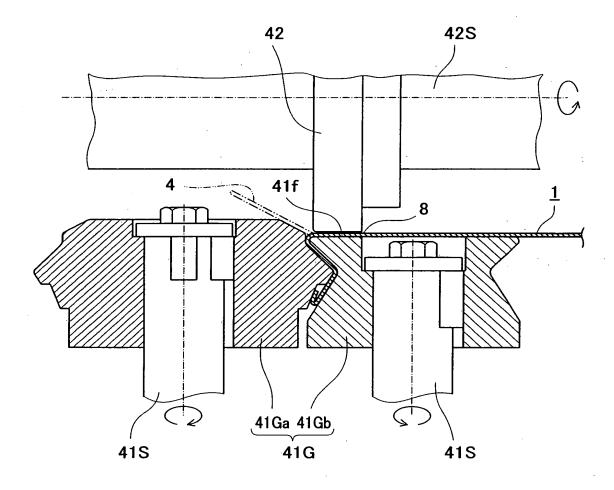


Fig. 34

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 35 of 59
Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

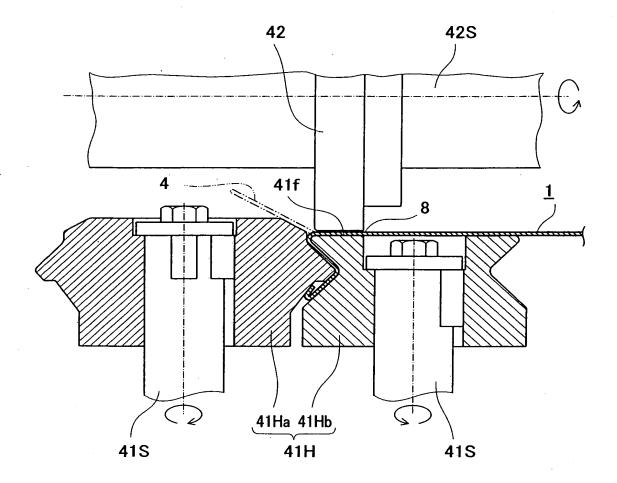


Fig. 35

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 36 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

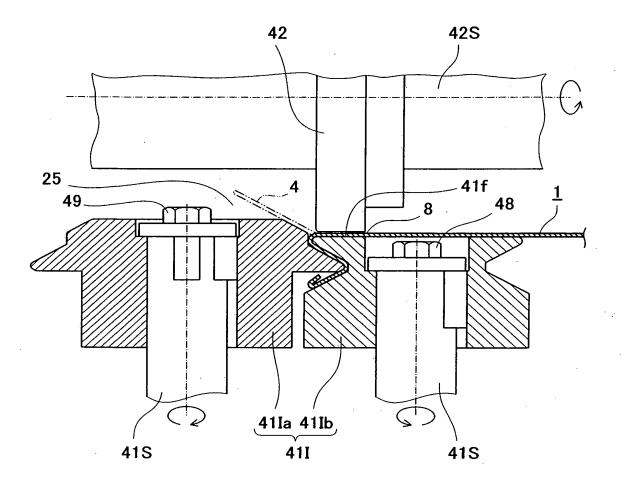


Fig. 36

10/532312 Manufacturing Duct" INVENTOR(s): Toshio Yamamoto, et al.; TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 37 of 59 Ma.ll, Gerstein & Borun 312-474-6300 - Richard H. Anderson

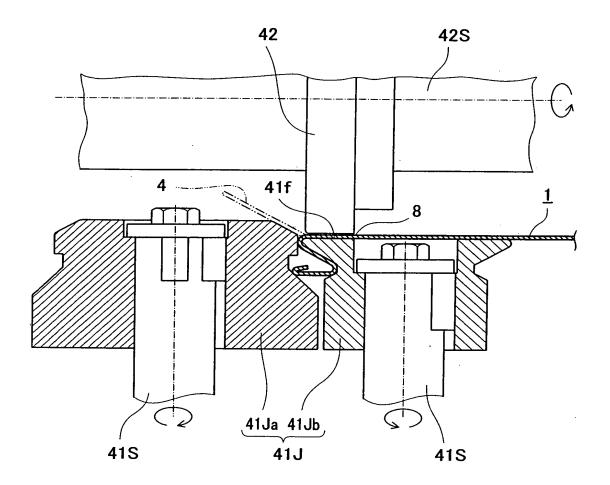


Fig. 37

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 38 of 59
Manufacturing Duct"
Manufacturing Duct"
Manufacturing Duct"

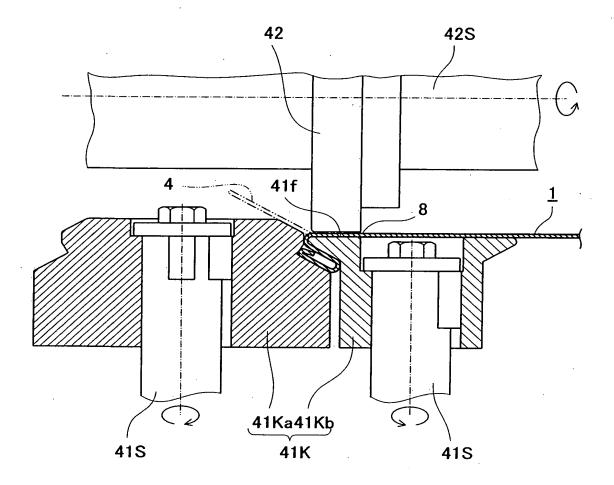


Fig. 38

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 39 of 59

Max. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

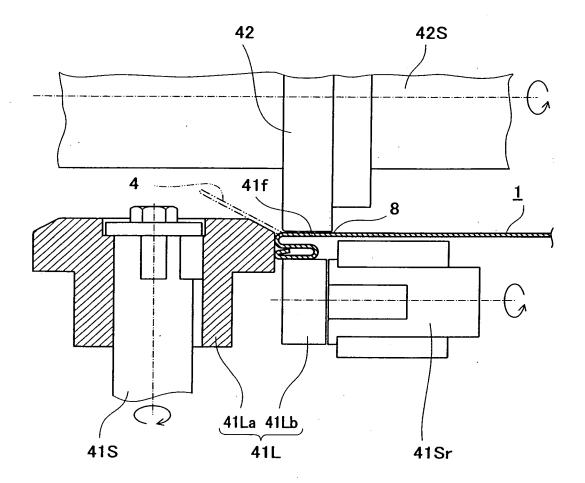


Fig. 39

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparaturity. DOCKET NO. 19036/40258/US; Page 40 of 59 al, Gerstein & Borun 312-474-6300 - Richard H. Anderson

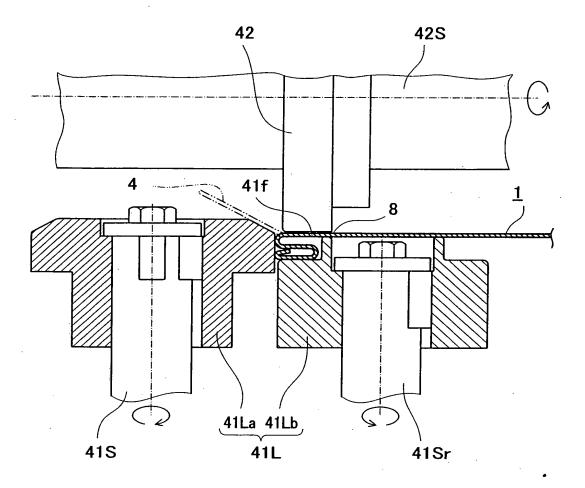


Fig. 40

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparatures and Manufacturing Duct"

TTY. DOCKET NO. 19036/40258/US; Page 41 of 59

Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

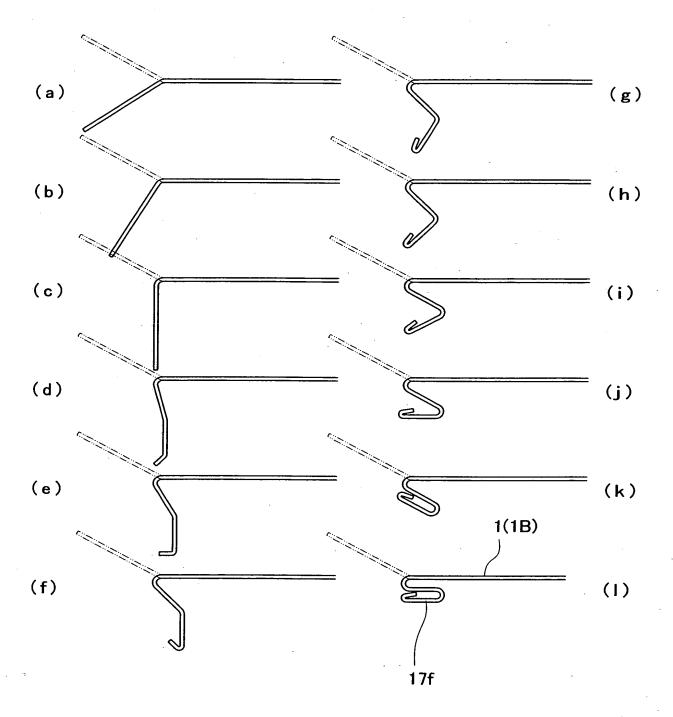


Fig. 41

TITLE: "Cornerplate-less Buct, Method of Manufacturing the Duct, and Apparaty TTY. DOCKET NO. 19036/40258/US; Page 42 of 59 Manufacturing Duct" l, Gerstein & Borun 312-474-6300 - Richard H. Anderson

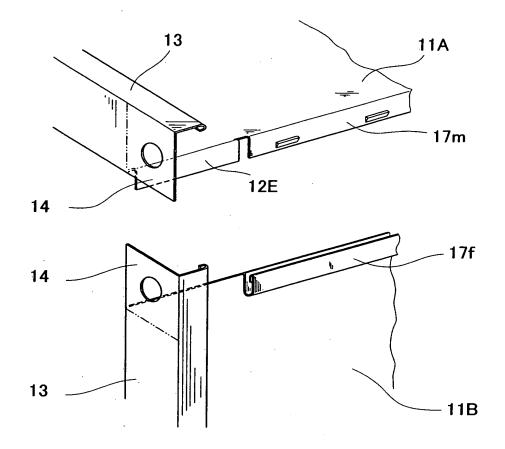


Fig. 42

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 43 of 59
Max. all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

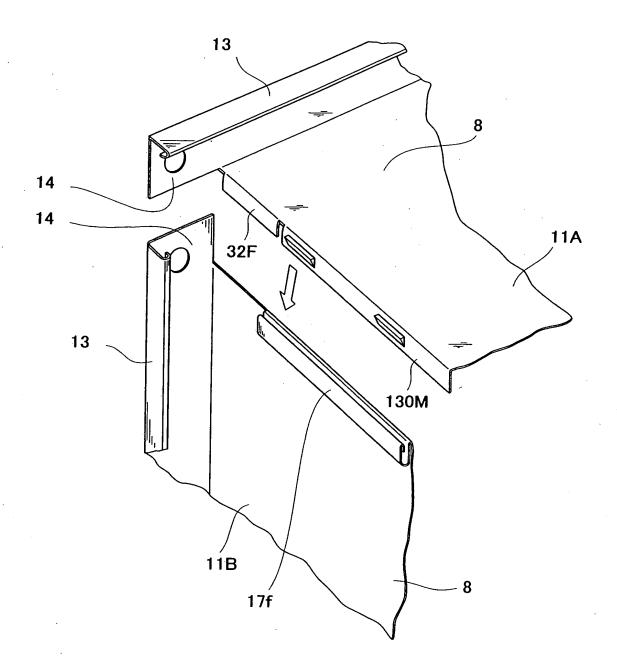


Fig. 43

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparatu
TTY. DOCKET NO. 19036/40258/US; Page 44 of 59 Manufacturing Duct" il, Gerstein & Borun 312-474-6300 - Richard H. Anderson

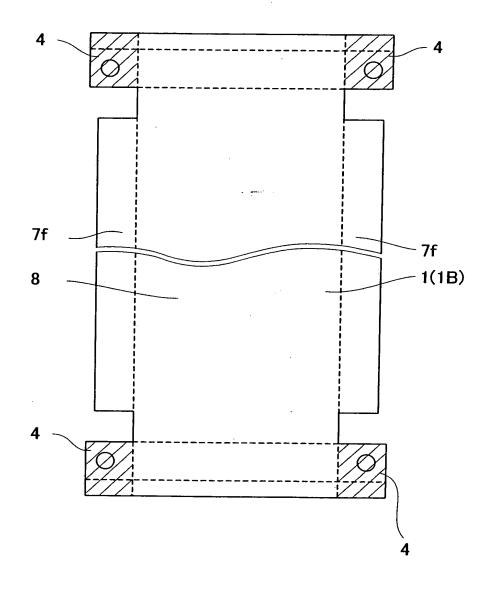


Fig. 44

INVENTOR(s): Toshio Yamamoto, et al.;

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"

TY. DOCKET NO. 19036/40258/US; Page 45 of 59

Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

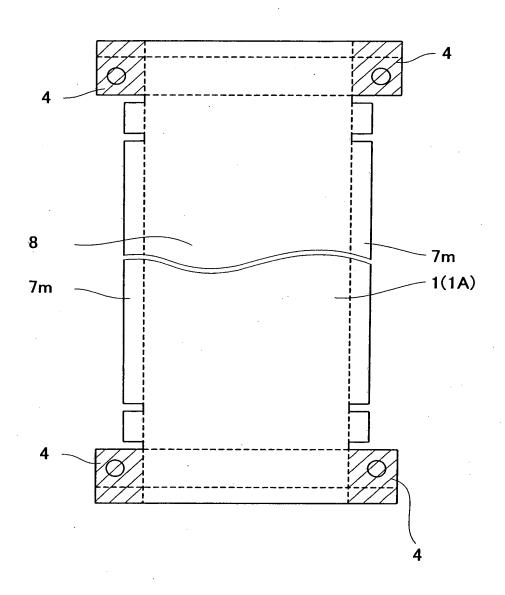


Fig. 45

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 46 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

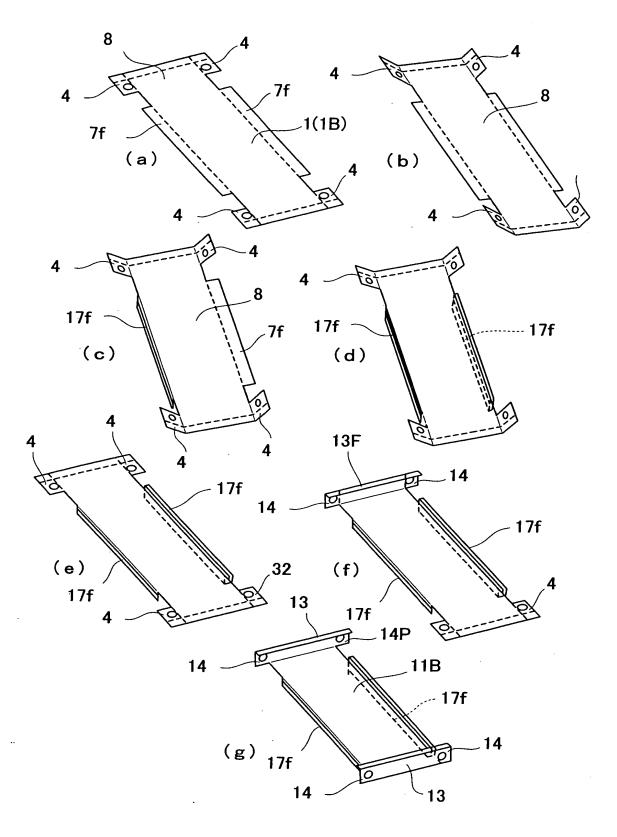


Fig. 46

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 47 of 59
Mai. 21l, Gerstein & Borun 312-474-6300 - Richard H. Anderson

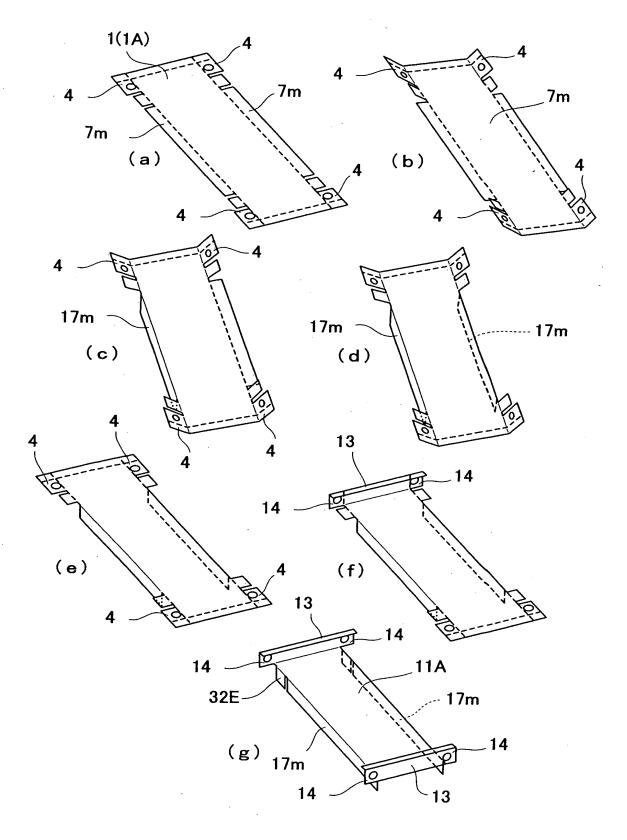


Fig. 47

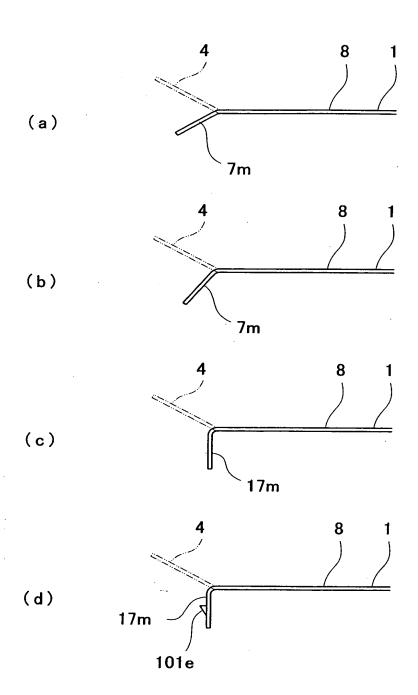


Fig. 48

TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature of Manufacturing Duct"
TTY. DOCKET NO. 19036/40258/US; Page 49 of 59

Marchael, Gerstein & Borun 312-474-6300 - Richard H. Anderson

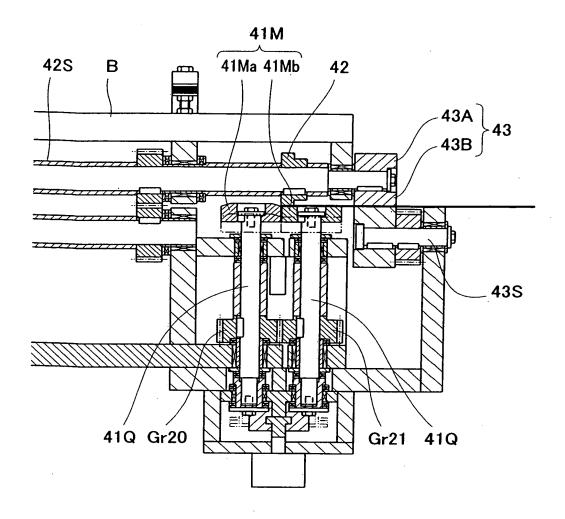
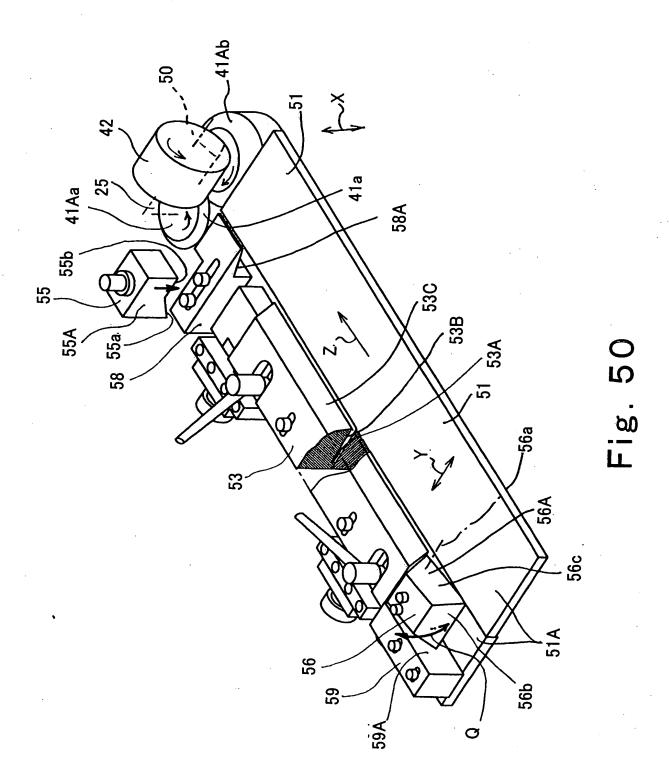


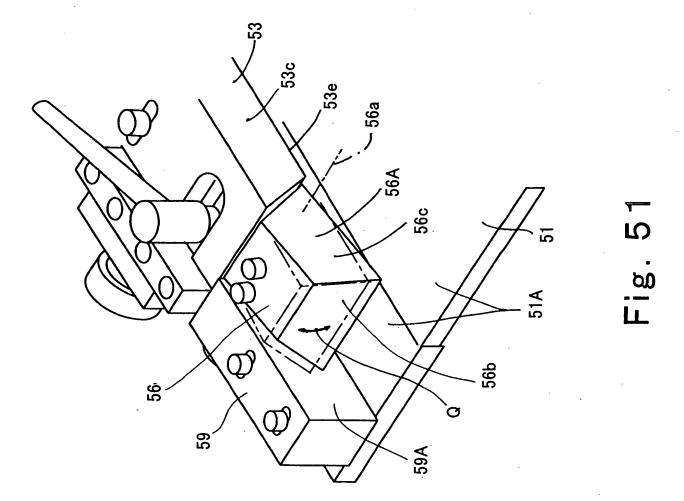
Fig. 49

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 50 of 59 Manual, Gerstein & Borun 312-474-6300 - Richard H. Anderson

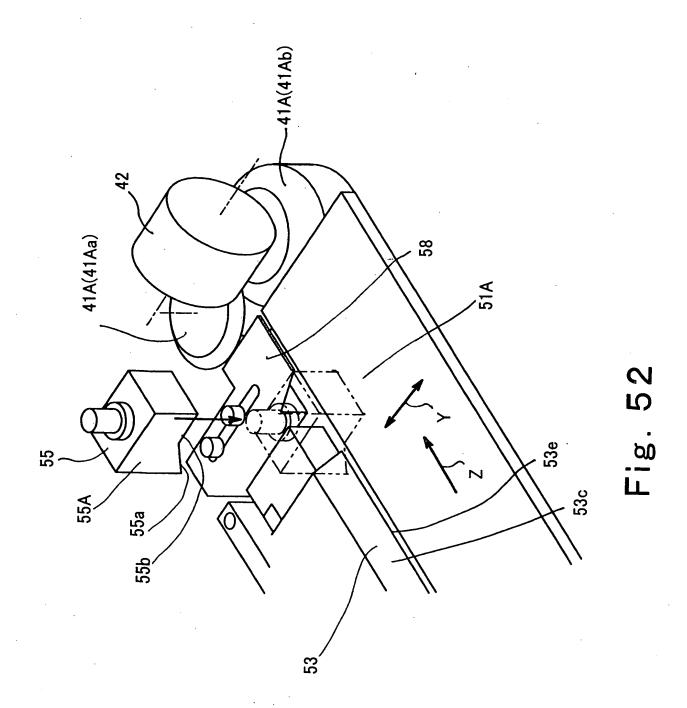


10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Puct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 51 of 59
Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 51 of 59
Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 51 of 59
Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 51 of 59

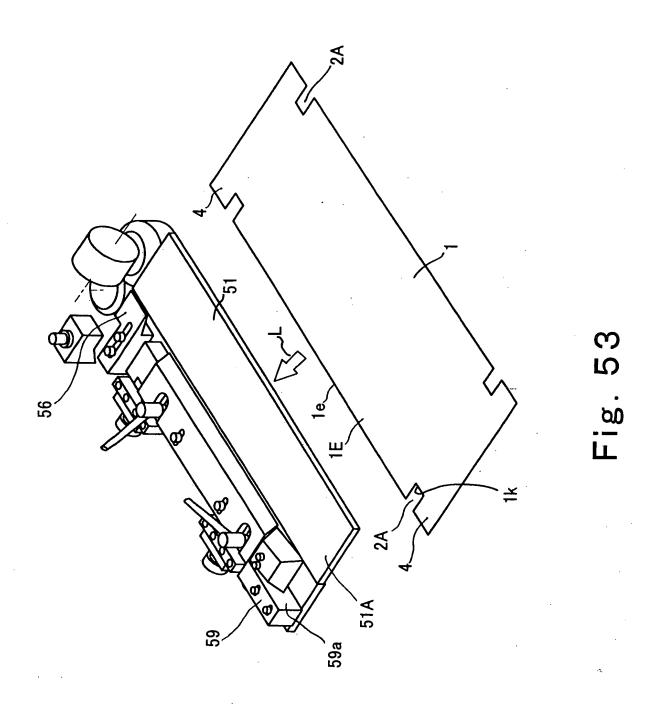


INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Pact, Method of Manufacturing the Duct, and Apparature (TY. DOCKET NO. 19036/40258/US; Page 52 of 59 Mars, all, Gerstein & Borun 312-474-6300 - Richard H. Anderson Manufacturing Duct"

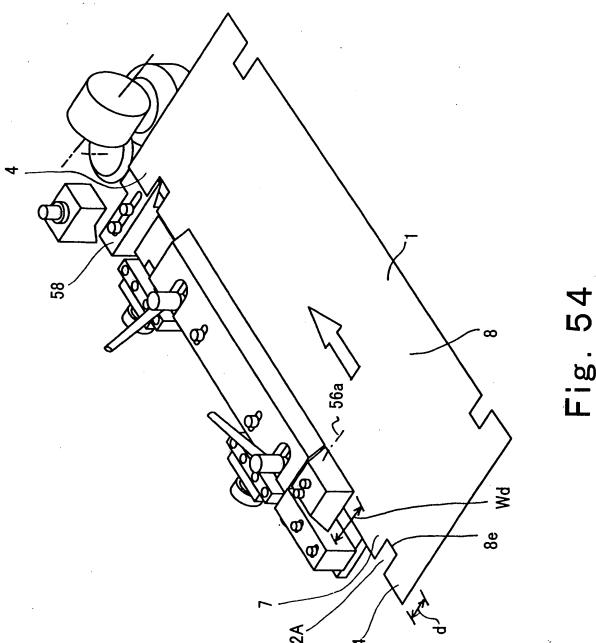


10/532312 Manufacturing Duct"

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Suct, Method of Manufacturing the Duct, and Apparature TTY. DOCKET NO. 19036/40258/US; Page 53 of 59
Mars all, Gerstein & Borun 312-474-6300 - Richard H. Anderson

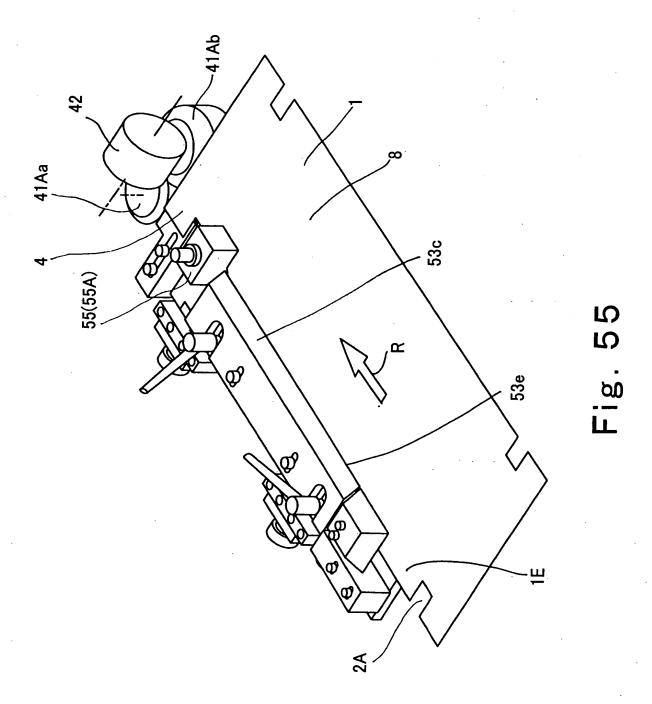


INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less and, Method of Manufacturing the Duct, and Apparature (TY. DOCKET NO. 19036/40258/US; Page 54 of 59 Maissall, Gerstein & Borun 312-474-6300 - Richard H. Anderson



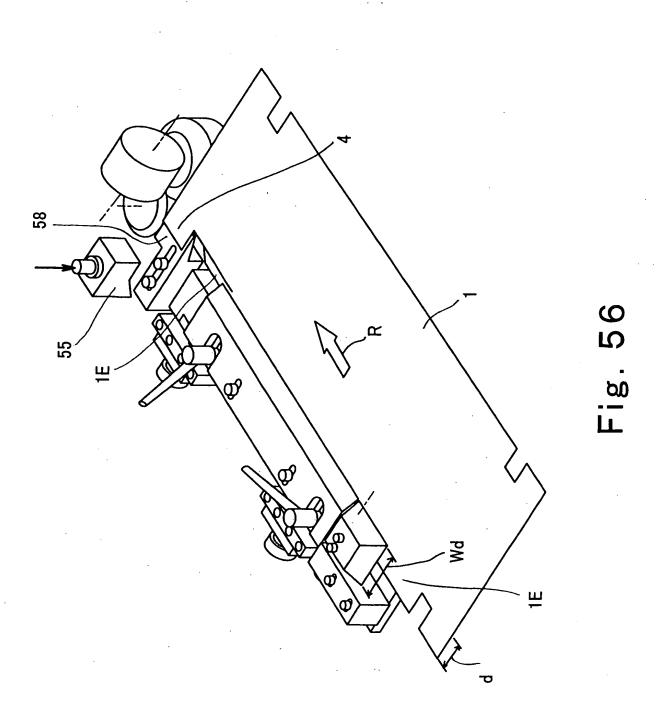
10/532312 Manufacturing Duct"

TITLE: "Cornerplate-less Duct, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 55 of 59 Marenall, Gerstein & Borun 312-474-6300 - Richard H. Anderson

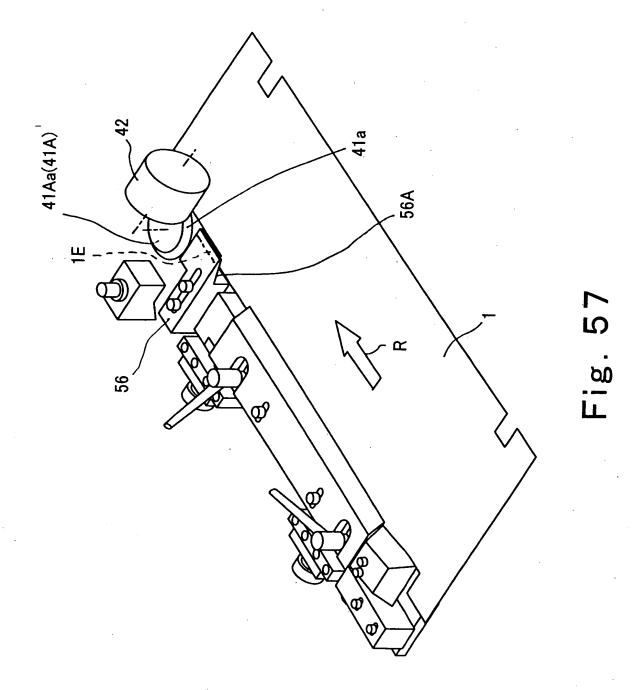


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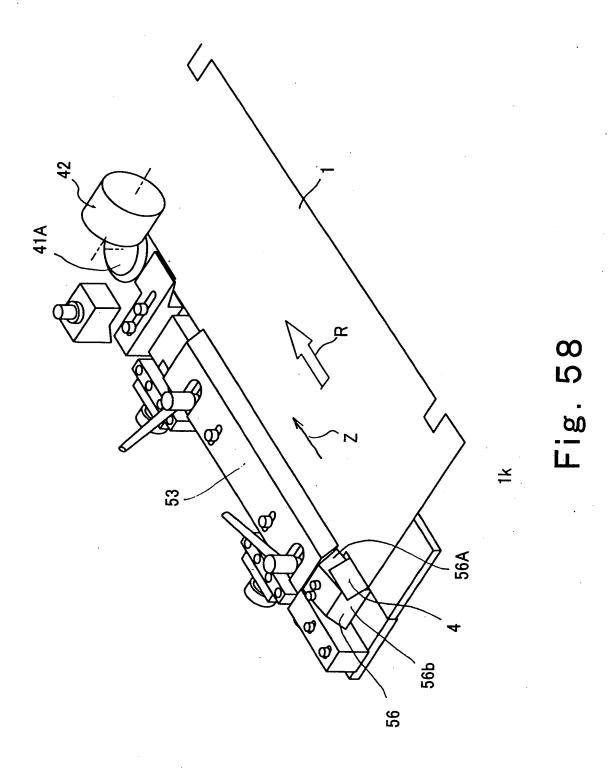
INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less of tet, Method of Manufacturing the Duct, and Apparature TY. DOCKET NO. 19036/40258/US; Page 56 of 59.
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INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Pact, Method of Manufacturing the Duct, and Apparate TY. DOCKET NO. 19036/40258/US; Page 57 of 59
Maisnall, Gerstein & Borun 312-474-6300 - Richard H. Anderson



INVENTOR(s): Toshio Yamamoto, et al.; e-less foct, Method of Manufacturing the Duct, and Apparature (TY. DOCKET NO. 19036/40258/US; Page 58 of 59 Marshall, Gerstein & Borun 312-474-6300 - Richard H. Anderson TITLE: "Cornerplate-less



10/532312

INVENTOR(s): Toshio Yamamoto, et al.;
TITLE: "Cornerplate-less Port, Method of Manufacturing the Duct, and Apparaturing TY. DOCKET NO. 19036/40258/US; Page 59 of 59.

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